

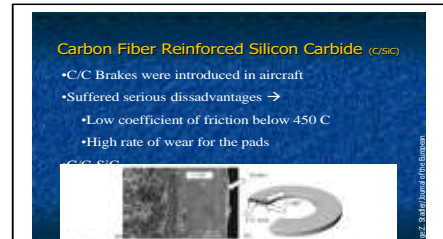
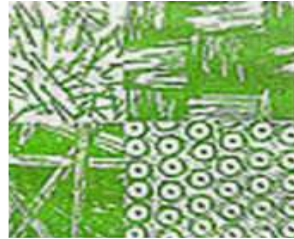
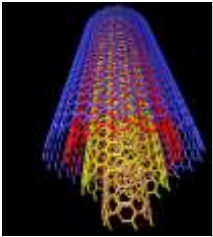
PRE-ANNOUNCEMENT



I as Founder, President and Chairman of International Conference on Recent Advances in Composite Materials (ICRACM) series wish to put on record my grateful thanks to the entire participant who have shown their keen interest in the theme of the conference. Since, advanced composites are enabling materials for a number of demanding energy efficient and eco-friendly applications in aerospace, power generation, and ground transportation, nuclear and chemical industries. These materials have unique properties such as high strength, high stiffness, long fatigue life, low density, and adaptability to the intended functions. Significant achievements have been made worldwide in the design, development, manufacturing, and application of these materials in recent years and considerable innovative research is still continuing to address technical and economic challenges. The worldwide participation and recognition led to grand success of the each series of International Conference on Recent Advances in Composite Materials (ICRACM), which were held at various places; ICRACM-2004 held at BHU, Varanasi, India in December 2004. ICRACM-2007 held at India Habitat Centre, New Delhi, India in February 2007. ICRACM-2010 held at Limoges University, Limoges, France in December 2010. ICRACM-2013 held at International Centre, Goa, India in February 2013. ICRACM-2016 has been organized at KL University, Vijayawada, Guntur, AP, India from 6-8th February 2017 under the Chairmanship of Prof. B. Nageswara Rao. Sixth International Conference on Recent Advances in Composite Materials (ICRACM-2019) was organized at Swatantrata Bhavan, BHU, IIT (BHU), Varanasi from February 25-28 2019. More than 300 delegates from India and abroad were presented their expert lectures during technical session of ICRACM-2019 conference. The major goal of ICRACM series are to bring academician and researchers together in various disciplines from all over the world to share knowledge and exchange their views leading to industrial applications of composite materials. Most of the ICRACM series have been supported by AOARD-AFOSR, Roppongi, Tokyo, Japan and GONR, Singapore due to unique dimension and significance demands in composite community. These supports are predicted on the belief that scientific and technical advances are strongly promoted by direct interactions among a diverse set of researchers and technologists. Finally, I am very grateful to all of my friends, who have joined the ICRACM-2004, ICRACM-2007, ICRACM-2010, ICRACM-2013, ICRACM-2016 and ICRACM-2019 conferences and presented their composite experiences for the benefits of young composite researchers after travelling long distances from all around the globe. I shall be highly obliged their kind supports for the grand success of ICRACM series. Also, organising committee is gratefully acknowledging financial support of Director/ Manager, AOARD-AFOSR, Tokyo, Japan, ONR, Singapore and president European Ceramic Society to organize ICRACM Series for the academic benefits and interaction of composite researchers all over the world. Seventh Series will be held at Institute of Textile and Composite Engineering, RWTH, Aachen, Germany from September 26-29, 2023. **Eight Series will be planned at Department of Civil Engineering, Indian Institute of Technology, Banaras Hindu University, Varanasi from February 17-20, 2025.**

Founder President ICRACM Series

EIGHTH International Conference on Recent Advances in Composite Materials (ICRACM - 2025)



(FEBRUARY 17-20, 2025)

**Venue: Department of Civil Engineering, Indian Institute of Technology, Banaras
Hindu University, Varanasi-221005, India**

Organized by

*Prof. Rajesh Kumar & Prof. Sasankasekhar Mandal
Chairman, ICRACM-2025*

Department of civil Engineering, Indian Institute of Technology (BHU), Varanasi-221005

&

Prof. V.K. Srivastava

Founder President, ICRACM Series

*Former Professor, Department of Mechanical Engineering, Indian Institute of Technology (BHU), Varanasi-
221005, India.*

&

Dr. Rosalin Sahoo

Department of civil Engineering, Indian Institute of Technology (BHU), Varanasi-221005

Organising Secretary, ICRACM-2025

ICRACM-2025

Eighth International Conference on Recent Advances in Composite Materials (ICRACM-2025) will be held at Indian Institute of Technology, Banaras Hindu University, Varanasi-221005, India.

Conference Topics:

The conference will broadly cover the following topics:

- **Advance Fibre composites, Textile Engineering.**
- **Wood composites**
- **Metal matrix composites**
- **Ceramic composites and advanced ceramics**
- **Nanomaterials and Nano-composites**
- **Biomaterials and Bio-composites**
- **Recycling & repair technology in composites**
- **Recent developments in fibre and particulate composites for structural and tribological applications (Fracture, Fatigue, Impact, Wear & Friction, Environmental studies)**
- **Critical issues in composites (Interfaces, processing applications and manufacturing)**
- **Testing & Quality control of composites**
- **Composites in intelligent and sustainable civil structure**
- **Application of composites in low cost houses and bridges**
- **Composite Technology – Industrial Applications**

Eminent scientists and engineers from all over world will deliver their expert lectures on above topics.

Publication:

Conference papers will consider for publication in the International Journals after the presentation of delegates and peer review by concern experts of the subjects. The best papers will process through the norms of Elsevier / Springer publisher for the consideration of publications in Polymer Composites; Materials Today Proceeding, Composites-A, Published by Elsevier, Publisher, UK and Nanotechnology Journals.

ICRACM Best Paper Awards:

Best Paper Awards will be presented during the Balidictory function of ICRACM conference to authors whose work represents ground breaking research in their respective areas. By recognizing these selected papers for their ingenuity and importance, ICRACM highlights some of the theoretical and practical innovations that are likely to shape the future of advances in composites. Best papers award will be considered in the following area;

- (a). Textile and Composites
- (b). Ceramic and MMC composites
- (c). Nanocomposites and Bio composites.

Eligibility/Selection Process:

All conference papers submitted for review to the publication of Journals are eligible for the award. Papers are subjected to the review process, and final lists are determined by composite review committee. The award winner is selected by a committee designated by the Chair of the Governing Board. The committee determines the winner to be announced during the conference. Decisions are based on the following criteria:

- Soundness of the conceptual development
- Originality and new contribution(s)
- Appropriate methodology well applied
- Relevance to management practice
- Effective communication of the central ideas of the work

Benefits

Recipients are given a (Euro 200) honorarium, an award plaque and certificate

Papers that are accepted for publication through the review process will appear in a high impact international journals after peer reviewed process.

DEADLINES

- * **INVITATION TO SUBMIT ABSTRACT** : **28 FEBRUARY, 2024**
* **ACCEPTANCE OF ABSTRACT** : **31 JULY 2024**
* **INVITATION TO SUBMIT FULL PAPER** : **31 AUGUST, 2024**

Registration Fee:

(a) Before July 2024:

Foreign delegates (FD) - Euro 500 : Euro 300 for students

(b): After JULY 2024 till AUGUST 2024:

Foreign delegates (FD) - Euro 600 : Euro 400 for students

(Conference fee covers proceeding, tea, lunches and Banquet)

Sponsorships & Advertisements:

Sponsorship tariffs are given below:

Industries: - Euro, 10,000.00

Academic Institutions: - Euro 5,000.00

The Sponsor can nominate four delegates free of charge. Also, advertisements in souvenir will be published at the cost of Euro 5,000.00 (back full page), Euro 2000.00 (inside full page) and Euro 1,000.00 (half page).

Registration fee, sponsorship fee and advertisement tariff are to be sent by means of Cheque/Demand Draft payable at IIT(BHU), Varanasi drawn in the favour of

“CHAIRMAN- ICRCACM-2025”.

Accommodation:

Delegates are advised to book accommodation through any government-authorized travel agent or by own in hotels/motels near by the conference venue. Organiser will not able to provide any type of accommidation during the conference period.

International Advisory Board:

Prof. Thomas Gries

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Prof. Sabu Thomash

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Prof. C. S. P. Ojha	Indian Institute of Technology Roorkee
Prof. P. Bhargava	Indian Institute of Technology Roorkee

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Prof. Christopher C. Berndt	Swinburne University of Technology, Victoria, Australia
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Prof. J. G. Heinrich	Univ. of Clousthal, Clousthal, Germany
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University of Aveiro, Portugal
IFM, Deakin University, Geelong, Australia.
IFM, Deakin University, Geelong, Australia.
University of New Castle Upon Tyne, UK.
Royal Holloway University, London. UK.

ICRACM - 2025

Non-Profit Org

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and

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(Founder President, ICRACM-Series)

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**EIGHTH International Conference on Recent
Advances in Composite Materials (ICRACM-2025)**

FEBRUARY, 17-20, 2025

Registration Form

Plan to attend the conference : Yes / No

Plan to contribute the paper : Yes / No

Title of Paper:.....

.....

Author's Name:

Designation:

Passport No.

Mailing Address:

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E-mail:.....

Phone/Fax:

Amount (registration fee)

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Demand Draft / Cheque Number

AmountDate.....

Date:

Signature

HISTORY of the ICRAACM Conference:

Composite materials have unique advantages over monolithic materials, such as high strength, high stiffness, long fatigue life, low density, and adaptability to the intended function of the structure. Significant achievement has been made in the design/development and applications. Considerable innovative research is still continuing for the development of continuous fibre composites and particulate composites for critical applications. Structural requirements demand ultimate and reliable composite material performance to react to global static and dynamic external and component loads.

Therefore, ICRAACM-series aims at bringing together academicians and researchers in various disciplines to share knowledge and exchange views, for useful industrial applications of composite materials. The conference will facilitate discussion on the latest trends in the entire gamut of composite materials. The deliberations will certainly be helping researchers for embarking upon newer aspect design and development of various types of composites.

Publication:

The conference proceeding will be published as a fully peer reviewed volume of advances in composite materials. The papers without presentation / discussion in conference

and registration fees will not be included in the conference proceedings. The details of publishing houses that have brought out the proceedings of ICACM-2004 and ICACM-2007 conference papers are given below:

ICACM-2004

* **Recent Advances in Composite Materials (Edited by V. K. Srivastava and M. Singh), Allied Publishers Pvt. Ltd., New Delhi, 2004, p. 1-562.**

* **International Conference on Recent Advances in Composite Materials (Edited by V. K. Srivastava, M. Singh and G. Kostorz), Special Issue of Materials Science & Engineering -A, Elsevier Publisher, UK, 412, 1-2, December 2005, p. 1-348.**

Supported: AOARD-AFOSR, Tokyo and ONR, Singapore.

ICACM-2007:

* **Recent Advances in Composite Materials: Intelligent smart sustainable and infrastructural materials (Edited by V. K. Srivastava, M. Singh, A. Banthia and A.A Mufti), Allied Publishers Pvt. Ltd., New Delhi, 2007, p. 1-1118.**

* **International Conference on Recent Advances in Composite Materials (Edited by V. K. Srivastava, M. Singh, R. Asthana and G. Kostorz), Special Issue of Materials Science & Engineering -A, Elsevier Publisher, UK, 498, 1-2, December, 2008, p. 1-514.**

Supported: AOARD-AFOSR, Tokyo and ONR, Singapore.

ICACM-2010:

3rd ICRACM was held at ENSIL, University of Limoges, Limoges, France from 13-15th December 2010 under the chairmanship of Prof. A. Pizzi and Prof. F. Gambier. More than 140 delegates were presented their papers inspite of heavy snow all over the Europe.

Supported: European Ceramic Society. France.

ICRACM-2013:

4th ICRACM was held at the International Centre, Goa, India from 18-21st February 2013. More than 400 delegates were presented their papers. Conference proceeding was published after peer review.

Recent Advances in Composite Materials, Series-4, Editor, V.K. Srivastava Bloomsbury Publisher Pvt. Ltd, New Delhi, India, 2013, p. 1-815.

Supported: AOARD-AFOSR, Tokyo and ONR, Singapore.

ICRACM-2016:

5th ICRACM was held at the KL University, Vijayawada, Guntur, AP, India from 6-8th February 2017. More than 100 delegates were presented their papers. Conference proceeding was published after peer review.

Supported by Science and Engineering Research Board (SERB), Department of Science & Technology, Govt. of India, New Delhi, India.

ICRACM-2019

6th ICRACM was held at Seminar Complex, Institute of Sciences, BHU, Varanasi-221005, India from 25-28th February 2019 under the banner of Indian Institute of Technology, (BHU), Varanasi. More than 300 delegates from all over the world were presented their papers. Best 56 conference full length papers published after peer reviewed process for publication in Materials Today Proceeding, Elsevier, Pub. UK. Vol.21, Part 2, (2020), pp. 1031-1402.

